

Please provide the following information, and submit to the NOAA DM Plan Repository.

Reference to Master DM Plan (if applicable)

As stated in Section IV, Requirement 1.3, DM Plans may be hierarchical. If this DM Plan inherits provisions from a higher-level DM Plan already submitted to the Repository, then this more-specific Plan only needs to provide information that differs from what was provided in the Master DM Plan.

URL of higher-level DM Plan (if any) as submitted to DM Plan Repository:

1. General Description of Data to be Managed**1.1. Name of the Data, data collection Project, or data-producing Program:**

Visual observations of Hawaiian monk seal behavioral interactions and contact rates to support NMFS efforts to mitigate the risk of possible disease outbreaks, collected on Oahu and Laysan Island during the period 2015-06-01 to 2015-09-01.

1.2. Summary description of the data:

Infectious disease has the potential to pose serious risk to Hawaiian Monk Seal populations. HMSRP is currently researching and evaluating methods to minimize disease threats to this endangered population, including potential vaccination programs.

Observation of seal behavior and social interactions will provide information critical to understanding contact rates between animals which will aid our efforts modeling epidemiological processes and planning vaccination or other disease risk mitigation strategies. To provide this crucial data on seal behavior and contact rates this project aims to:

- Describe the haul-out patterns and numbers of seals using haul-out beaches on Oahu in the MHI and Laysan in the NWHI.
- Document individual seal behavior and interactions between seals;
 - o especially with regard to different types of potentially infectious contacts.
 - o with attention to age/sex patterns that may help identify generalities of high-risk seals.

1.3. Is this a one-time data collection, or an ongoing series of measurements?

One-time data collection

1.4. Actual or planned temporal coverage of the data:

2015-06-01 to 2015-09-01

1.5. Actual or planned geographic coverage of the data:

W: 180, E: -150, N: 30, S: 10

Hawaiian Archipelago, Pacific Region

1.6. Type(s) of data:

(e.g., digital numeric data, imagery, photographs, video, audio, database, tabular data, etc.)
Table (digital)

1.7. Data collection method(s):

(e.g., satellite, airplane, unmanned aerial system, radar, weather station, moored buoy, research vessel, autonomous underwater vehicle, animal tagging, manual surveys, enforcement activities, numerical model, etc.)

Instrument: visual observation

Platform: NA

Physical Collection / Fishing Gear: NA

1.8. If data are from a NOAA Observing System of Record, indicate name of system:

1.8.1. If data are from another observing system, please specify:

2. Point of Contact for this Data Management Plan (author or maintainer)

2.1. Name:

Stacie Robinson

2.2. Title:

Metadata Contact

2.3. Affiliation or facility:

2.4. E-mail address:

stacie.robinson@noaa.gov

2.5. Phone number:

(808)725-5740

3. Responsible Party for Data Management

Program Managers, or their designee, shall be responsible for assuring the proper management of the data produced by their Program. Please indicate the responsible party below.

3.1. Name:

Stacie Robinson

3.2. Title:

Data Steward

4. Resources

Programs must identify resources within their own budget for managing the data they produce.

4.1. Have resources for management of these data been identified?

Yes

4.2. Approximate percentage of the budget for these data devoted to data management (specify percentage or "unknown"):

Unknown

5. Data Lineage and Quality

NOAA has issued Information Quality Guidelines for ensuring and maximizing the quality, objectivity, utility, and integrity of information which it disseminates.

5.1. Processing workflow of the data from collection or acquisition to making it publicly accessible

(describe or provide URL of description):

Lineage Statement:

Ethnographic data sheets were used to collect behavioral observations in the field. Data were then entered into spreadsheets saved as CSV files for downstream analysis.

Process Steps:

- Ethnographic data sheets were used to collect behavioral observations in the field. (Citation: Original field data)
- Data were then entered into spreadsheets saved as CSV files for downstream analysis. (Citation: Original field data)

5.1.1. If data at different stages of the workflow, or products derived from these data, are subject to a separate data management plan, provide reference to other plan:**5.2. Quality control procedures employed (describe or provide URL of description):**

Observations were made by 2 to 3 field personnel per study site, so that observations could be verified for coding consistency - behaviors were recorded using standardized codes to minimize subjective interpretation by observers. Data were entered and double checked upon entry.

6. Data Documentation

The EDMC Data Documentation Procedural Directive requires that NOAA data be well documented, specifies the use of ISO 19115 and related standards for documentation of new data, and provides links to resources and tools for metadata creation and validation.

6.1. Does metadata comply with EDMC Data Documentation directive?

Yes

6.1.1. If metadata are non-existent or non-compliant, please explain:**6.2. Name of organization or facility providing metadata hosting:**

NMFS Office of Science and Technology

6.2.1. If service is needed for metadata hosting, please indicate:

6.3. URL of metadata folder or data catalog, if known:

<https://www.fisheries.noaa.gov/inport/item/28586>

6.4. Process for producing and maintaining metadata

(describe or provide URL of description):

Metadata produced and maintained in accordance with the NOAA Data Documentation Procedural Directive: https://nosc.noaa.gov/EDMC/DAARWG/docs/EDMC_PD-Data_Documentation_v1.pdf

7. Data Access

NAO 212-15 states that access to environmental data may only be restricted when distribution is explicitly limited by law, regulation, policy (such as those applicable to personally identifiable information or protected critical infrastructure information or proprietary trade information) or by security requirements. The EDMC Data Access Procedural Directive contains specific guidance, recommends the use of open-standard, interoperable, non-proprietary web services, provides information about resources and tools to enable data access, and includes a Waiver to be submitted to justify any approach other than full, unrestricted public access.

7.1. Do these data comply with the Data Access directive?

Yes

7.1.1. If the data are not to be made available to the public at all, or with limitations, has a Waiver (Appendix A of Data Access directive) been filed?

7.1.2. If there are limitations to public data access, describe how data are protected from unauthorized access or disclosure:

7.2. Name of organization of facility providing data access:

Pacific Islands Fisheries Science Center (PIFSC)

7.2.1. If data hosting service is needed, please indicate:

7.2.2. URL of data access service, if known:

http://oceanwatch.pifsc.noaa.gov/xfer/PIFSC_PIRO_bulk_data_download_InPort_28586.tgz

7.3. Data access methods or services offered:

Contact POC with data requests.

7.4. Approximate delay between data collection and dissemination:

1 year

7.4.1. If delay is longer than latency of automated processing, indicate under what authority data access is delayed:

8. Data Preservation and Protection

The NOAA Procedure for Scientific Records Appraisal and Archive Approval describes how to identify, appraise and decide what scientific records are to be preserved in a NOAA archive.

8.1. Actual or planned long-term data archive location:

(Specify NCEI-MD, NCEI-CO, NCEI-NC, NCEI-MS, World Data Center (WDC) facility, Other, To Be Determined, Unable to Archive, or No Archiving Intended)

NCEI-MD

8.1.1. If World Data Center or Other, specify:

8.1.2. If To Be Determined, Unable to Archive or No Archiving Intended, explain:

8.2. Data storage facility prior to being sent to an archive facility (if any):

Pacific Islands Fisheries Science Center - Honolulu, HI

8.3. Approximate delay between data collection and submission to an archive facility:

1 year

8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?

Discuss data back-up, disaster recovery/contingency planning, and off-site data storage relevant to the data collection

Original files will be regularly backed up and stored on a secure server separate from publicly accessible files.

9. Additional Line Office or Staff Office Questions

Line and Staff Offices may extend this template by inserting additional questions in this section.